

SECTION

3.1

CELL THEORY

Power Notes

CHAPTER 3
Cell Structure and Function

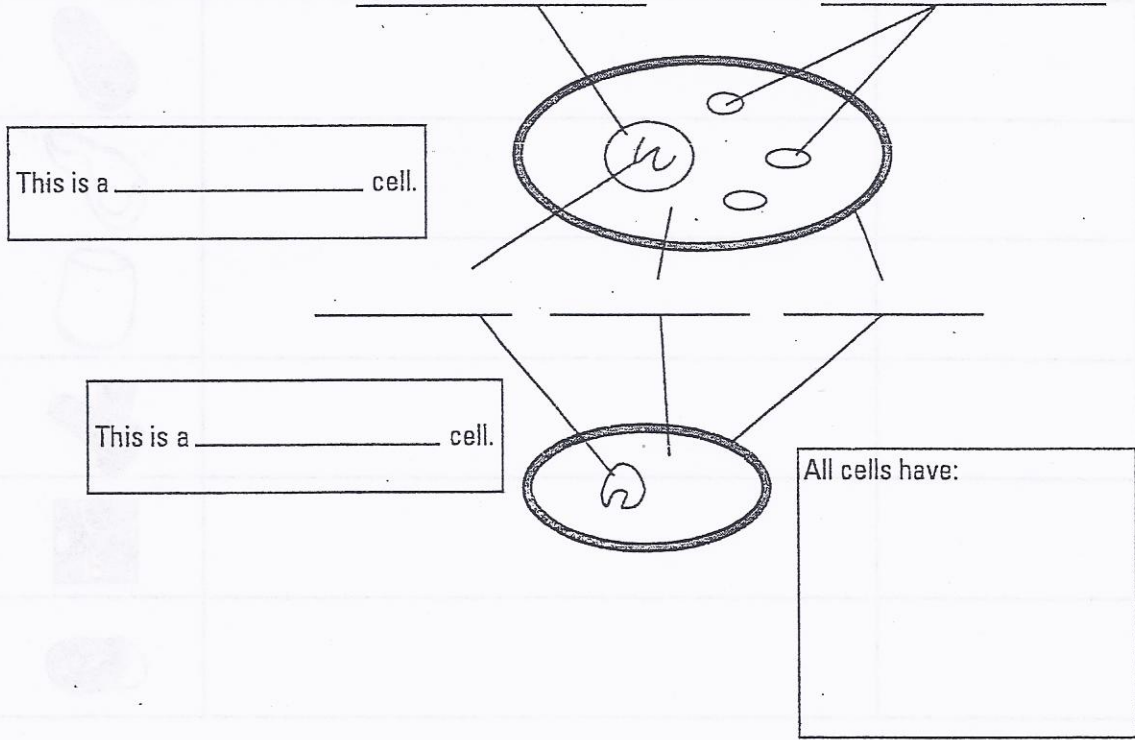
Scientists who contributed to the cell theory:

Important technological advances:

The principles of cell theory:

- 1.
- 2.
- 3.

The cell theory is:



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Period

Date

SECTION
3.2

CELL ORGANELLES
Power Notes

CHAPTER 3
Cell Structure and Function

Cell Organelle	Organelle Function	Organelle Image
		
		
		
		
		
		
		
		
		
		
		
		

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3.3

CELL MEMBRANE

Power Notes

CHAPTER 3
Cell Structure and Function

Functions:	Phospholipids:
Cell Membrane	
Fluid mosaic model:	Other molecules: <ul style="list-style-type: none">•••
Sketch a semipermeable membrane.	Selective permeability: <ul style="list-style-type: none">••••
Receptors: <ul style="list-style-type: none">• Intracellular• Membrane	

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SECTION 3.4

DIFFUSION AND OSMOSIS

Power Notes

CHAPTER 3
Cell Structure and Function

Sketch molecules diffusing into a cell.

Passive transport:

Diffusion:

Osmosis:

How do different solutions affect cells?

Label the type of solution each red blood cell is in.
Draw arrows on each cell to show the direction of osmosis.

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____

Sketch molecules entering a cell by facilitated diffusion.

Facilitated diffusion:

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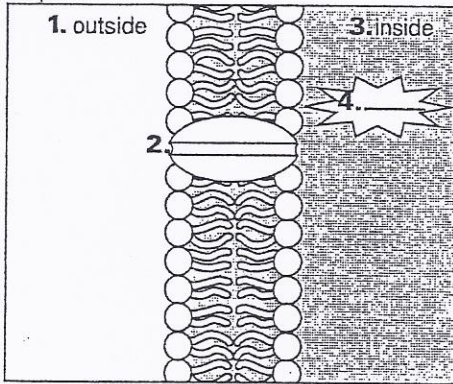
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SECTION
3.5

ACTIVE TRANSPORT, ENDOCYTOSIS, AND EXOCYTOSIS
Power Notes

CHAPTER 9
Cell Structure and Function

Sketch molecules entering a cell by active transport.



Active transport:

Endocytosis: _____

1. _____

2. _____

3. _____

Exocytosis: _____

1. _____

2. _____

3. _____

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